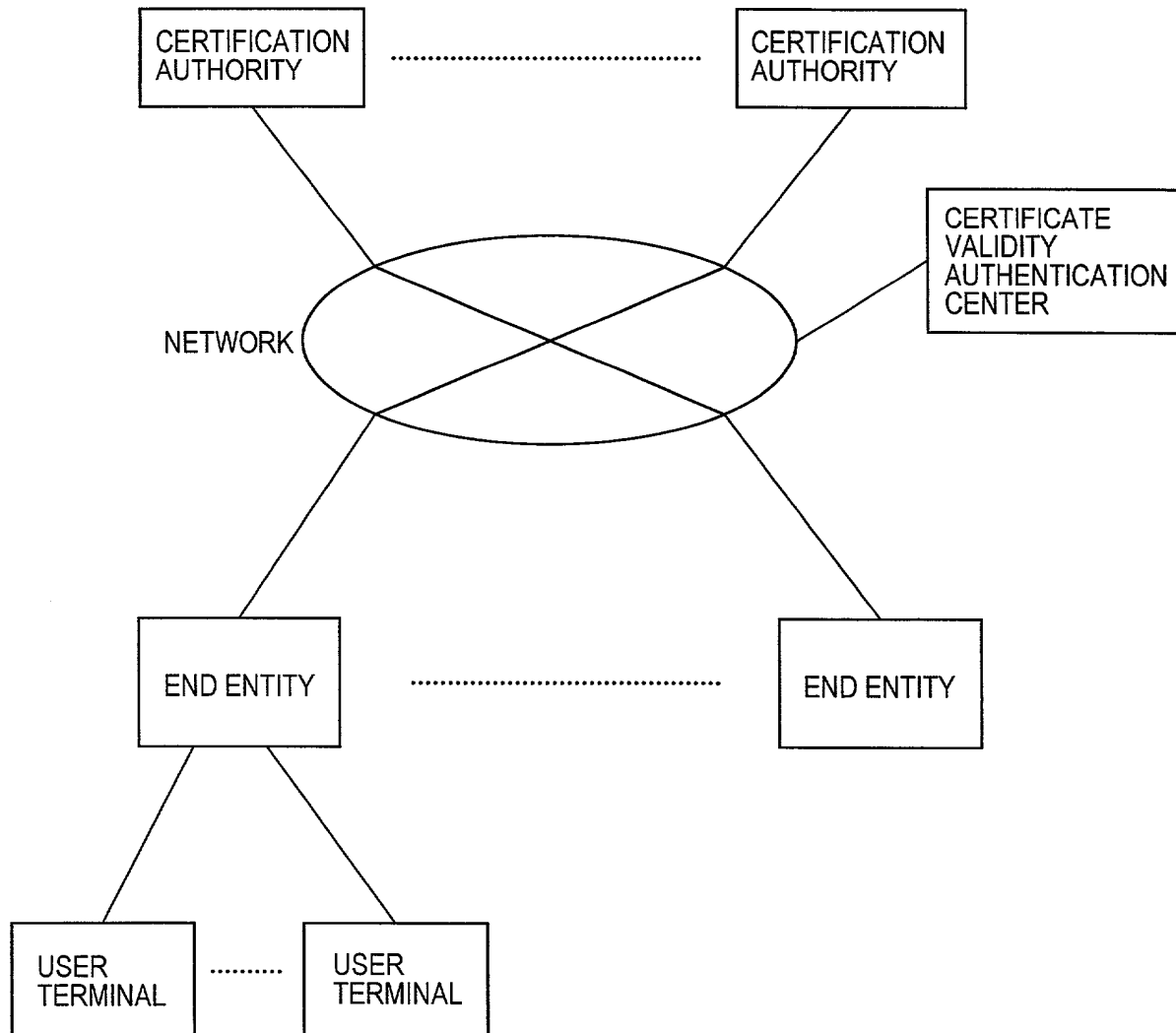


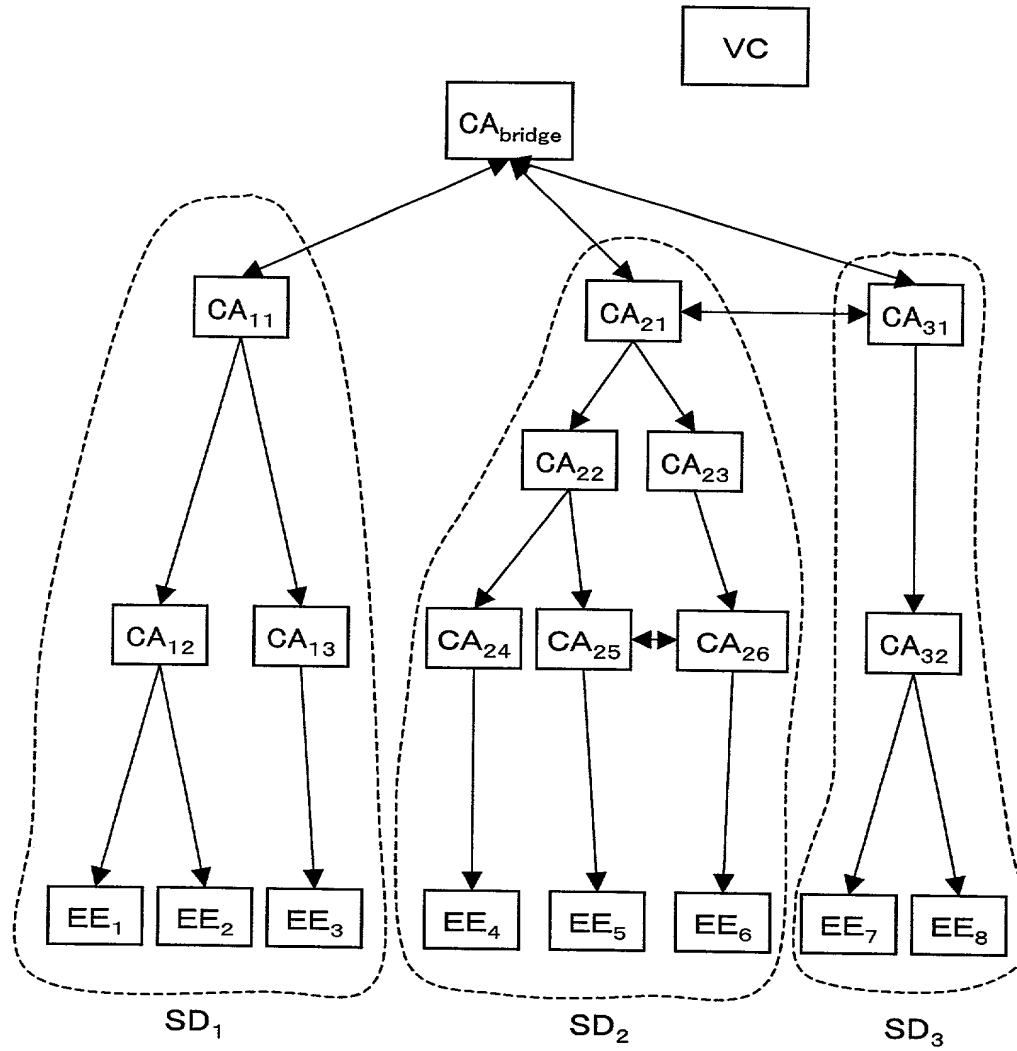
FIG.1

PKI SYSTEM



0944771.08001

FIG.2



→ : FLOW OF PUBLIC KEY CERTIFICATE

CA : CERTIFICATION AUTHORITY

EE : END ENTITY

VC : CERTIFICATE VALIDITY AUTHENTICATION CENTER

SD : SECURITY DOMAIN

FIG.3

END ENTITY

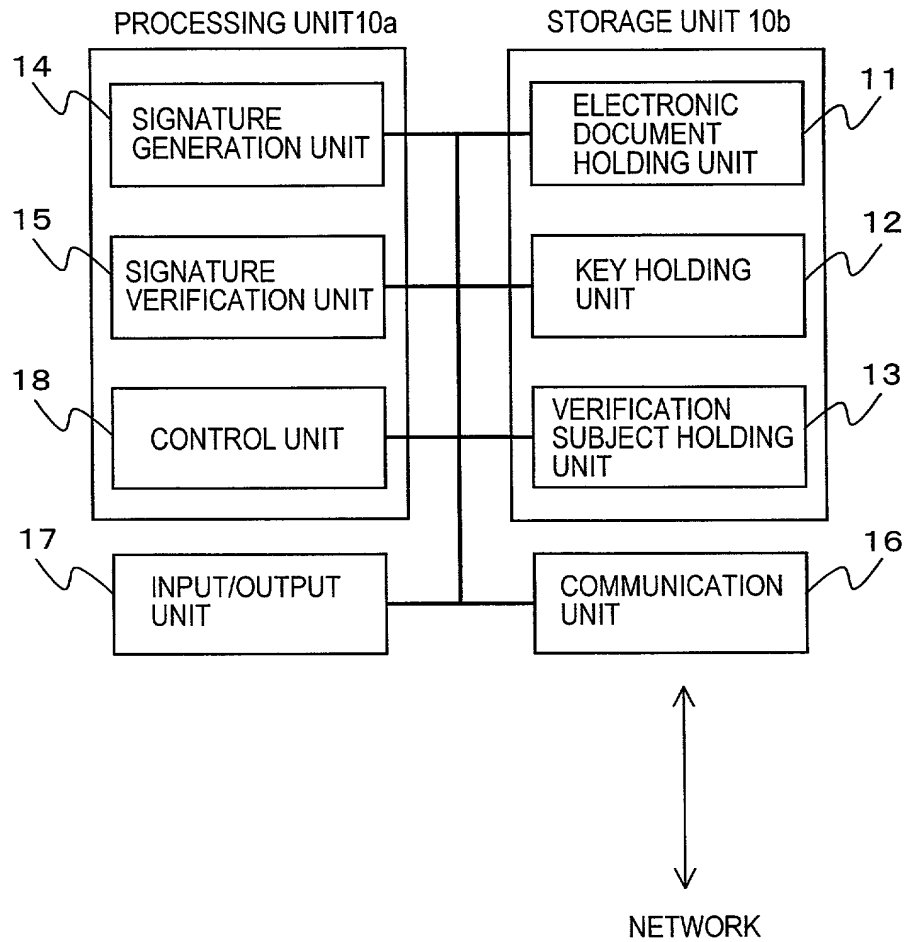


FIG.4

## CERTIFICATION AUTHORITY

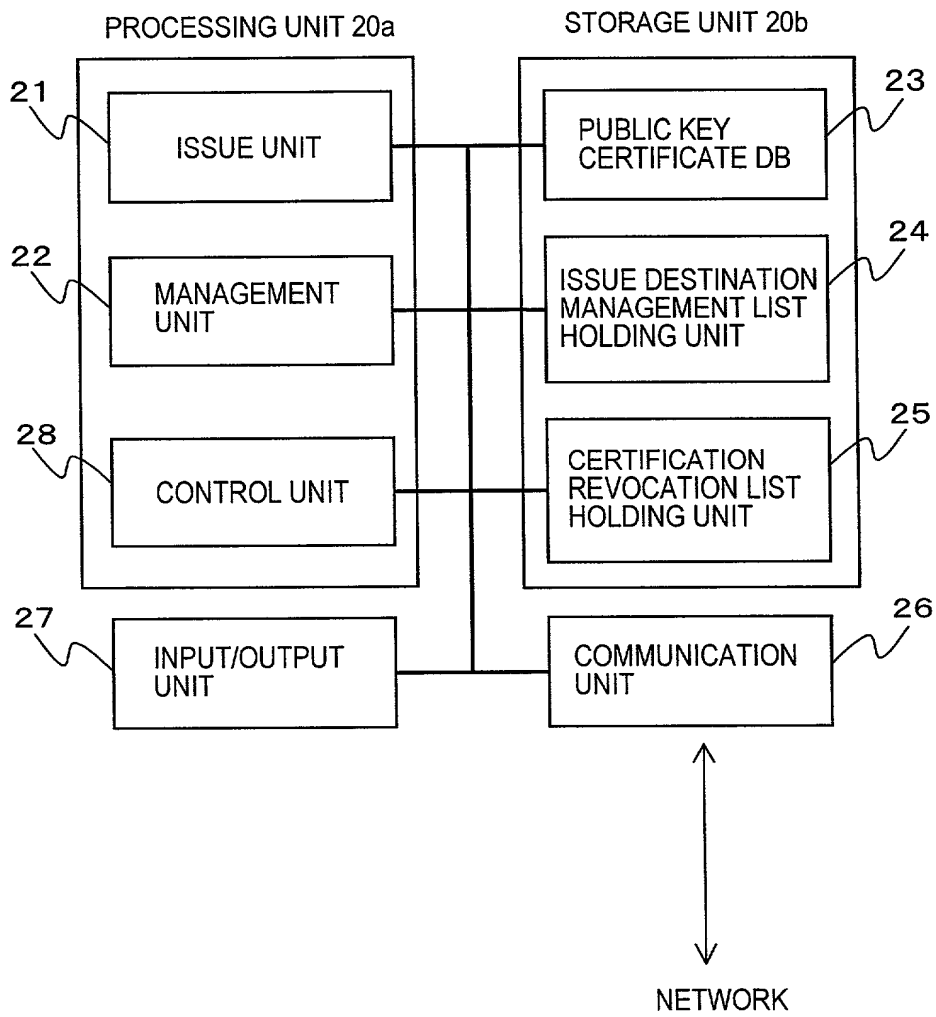


FIG.5

CERTIFICATE VALIDITY AUTHENTICATION CENTER

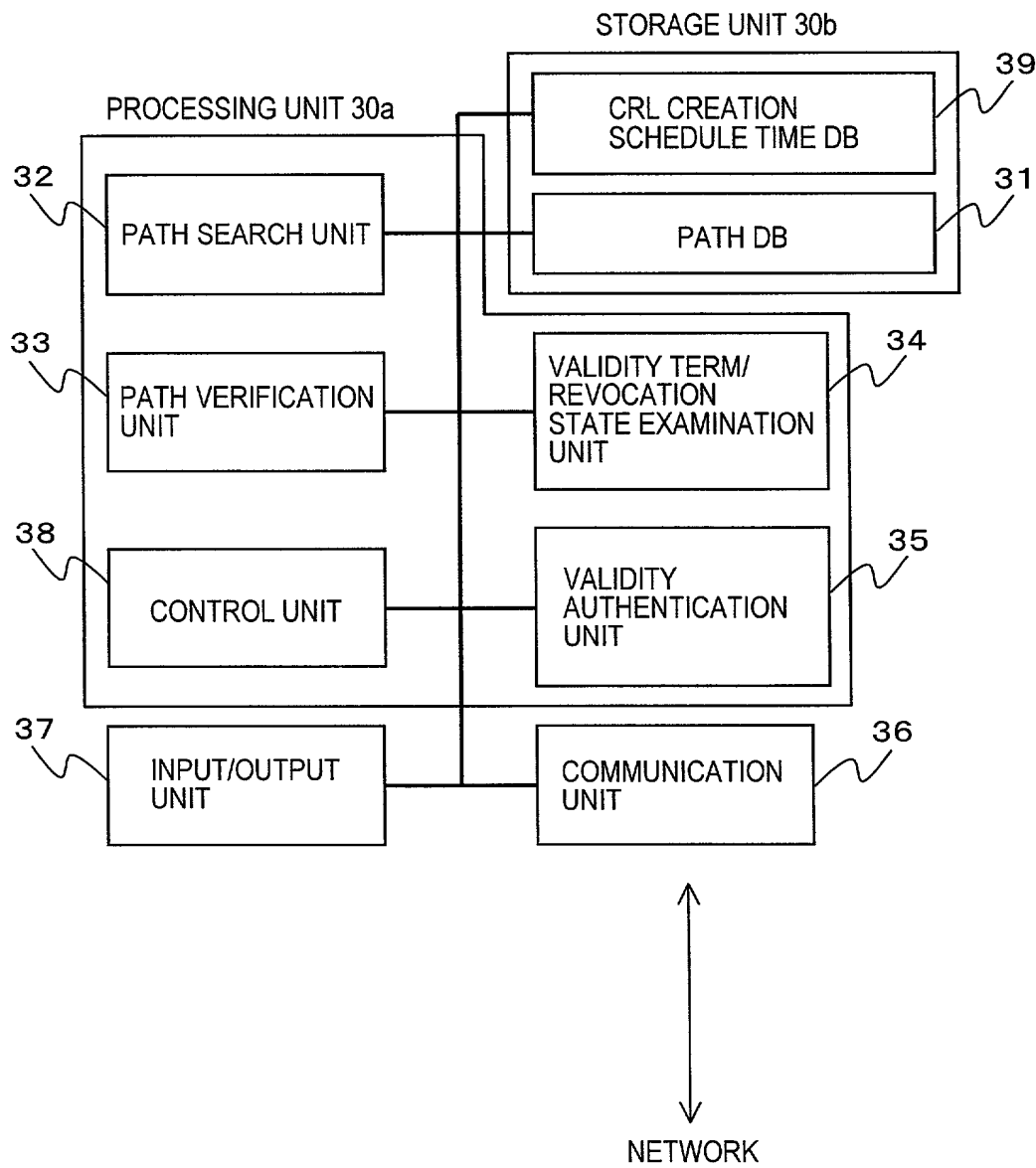


FIG.6

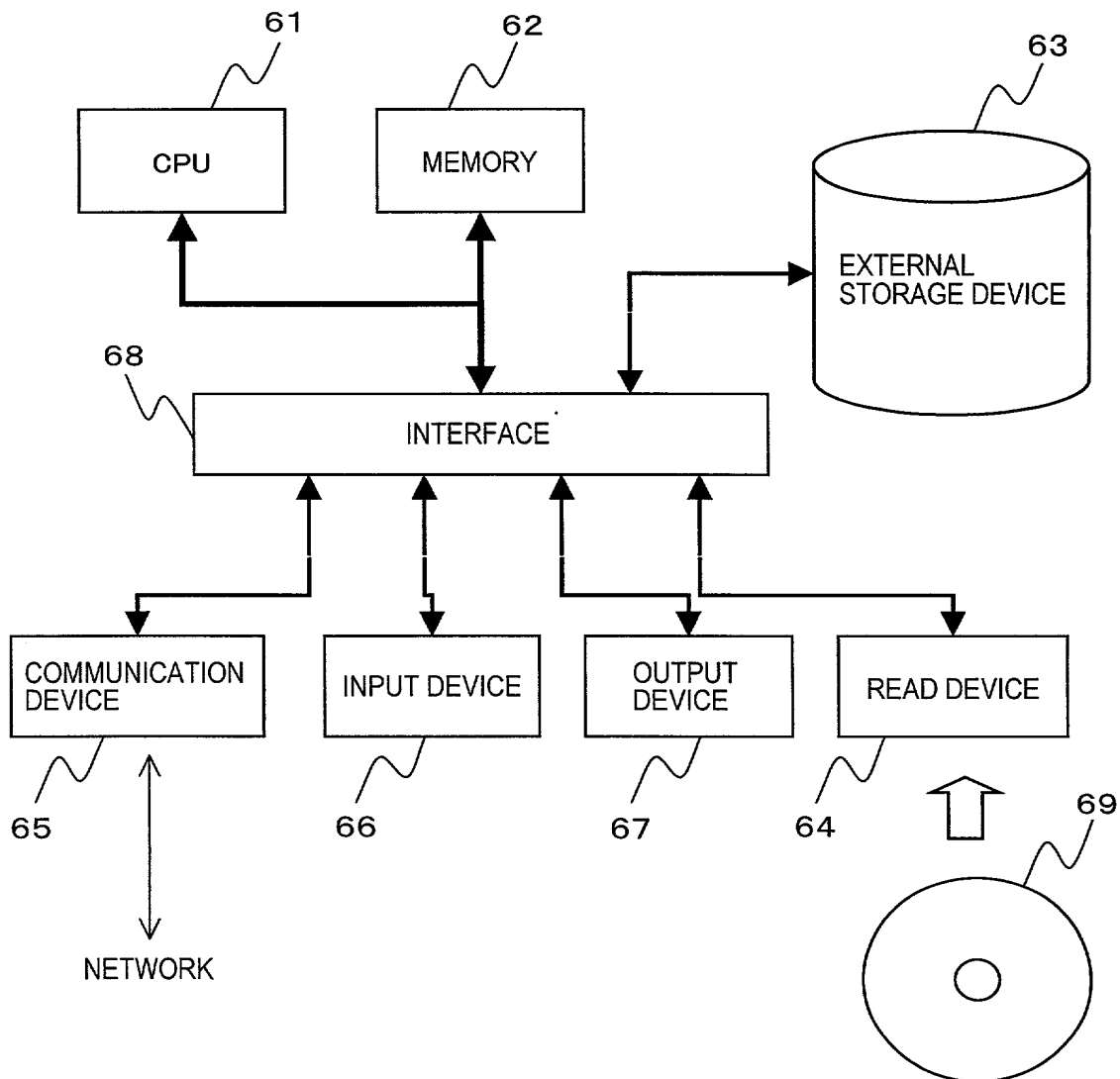


FIG.7

OPERATION OF SEARCHING FOR, VERIFYING AND MANAGING PATHS

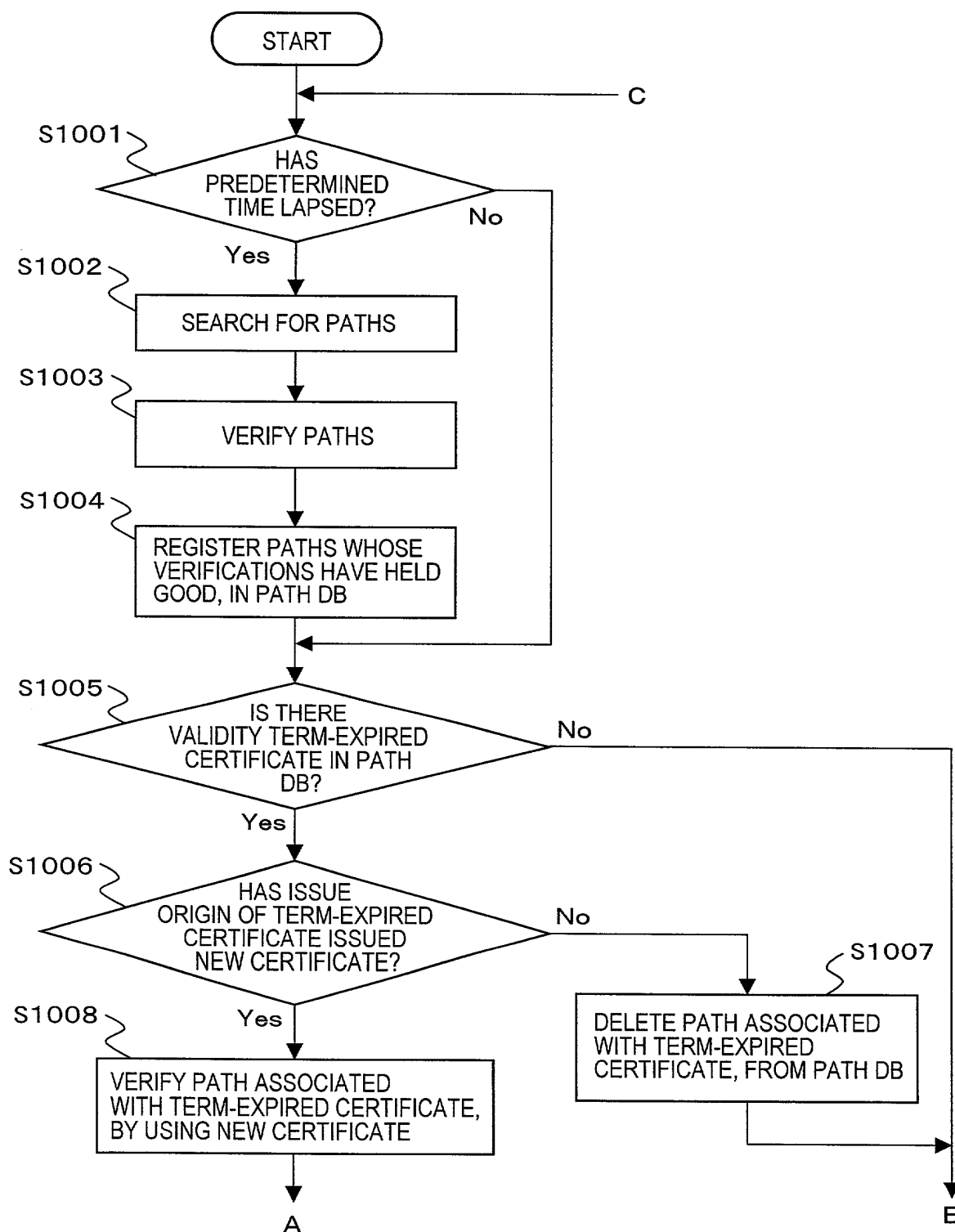
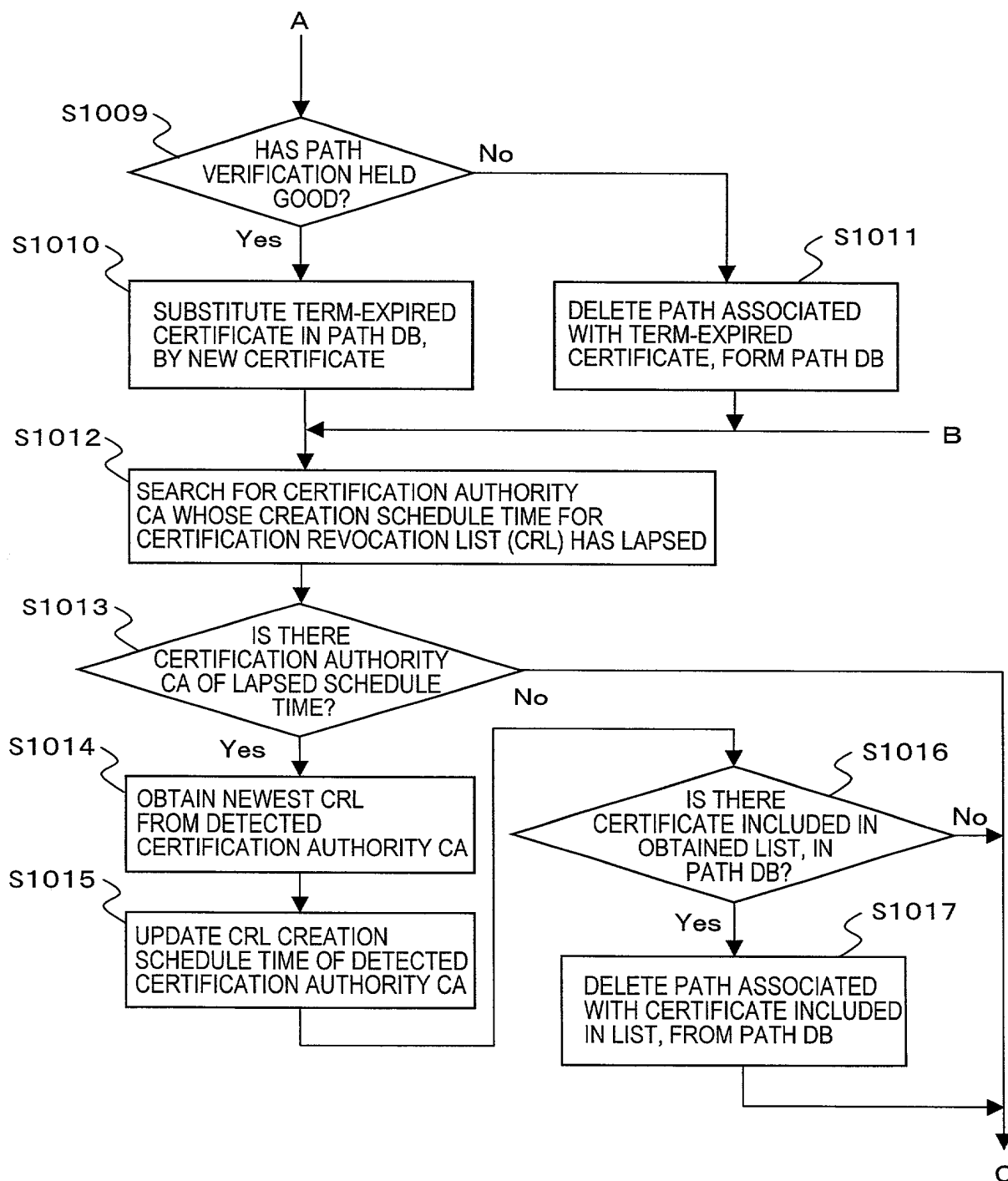


FIG.8

OPERATION OF SEARCHING FOR, VERIFYING AND MANAGING PATHS





## FIG.9

PATH SEARCH RESULT (IN CASE OF FIG. 2)

TERMINAL ADMITTING CERTIFICATION AUTHORITY	PATH
$CA_{12}$	$CA_{\text{bride}}-CA_{11}-CA_{12}$
$CA_{13}$	$CA_{\text{bride}}-CA_{11}-CA_{13}$
$CA_{24}$	$CA_{\text{bride}}-CA_{21}-CA_{22}-CA_{24}$
	$CA_{\text{bride}}-CA_{31}-CA_{21}-CA_{22}-CA_{24}$
$CA_{25}$	$CA_{\text{bride}}-CA_{21}-CA_{22}-CA_{25}$
	$CA_{\text{bride}}-CA_{21}-CA_{23}-CA_{26}-CA_{25}$
	$CA_{\text{bride}}-CA_{31}-CA_{21}-CA_{22}-CA_{25}$
	$CA_{\text{bride}}-CA_{31}-CA_{21}-CA_{23}-CA_{26}-CA_{25}$
$CA_{26}$	$CA_{\text{bride}}-CA_{21}-CA_{23}-CA_{26}$
	$CA_{\text{bride}}-CA_{21}-CA_{22}-CA_{25}-CA_{26}$
	$CA_{\text{bride}}-CA_{31}-CA_{21}-CA_{23}-CA_{26}$
	$CA_{\text{bride}}-CA_{31}-CA_{21}-CA_{22}-CA_{25}-CA_{26}$
$CA_{32}$	$CA_{\text{bride}}-CA_{31}-CA_{32}$
	$CA_{\text{bride}}-CA_{21}-CA_{31}-CA_{32}$

FIG.10

OPERATION OF AUTHENTICATING VALIDITY OF PUBLIC KEY CERTIFICATE

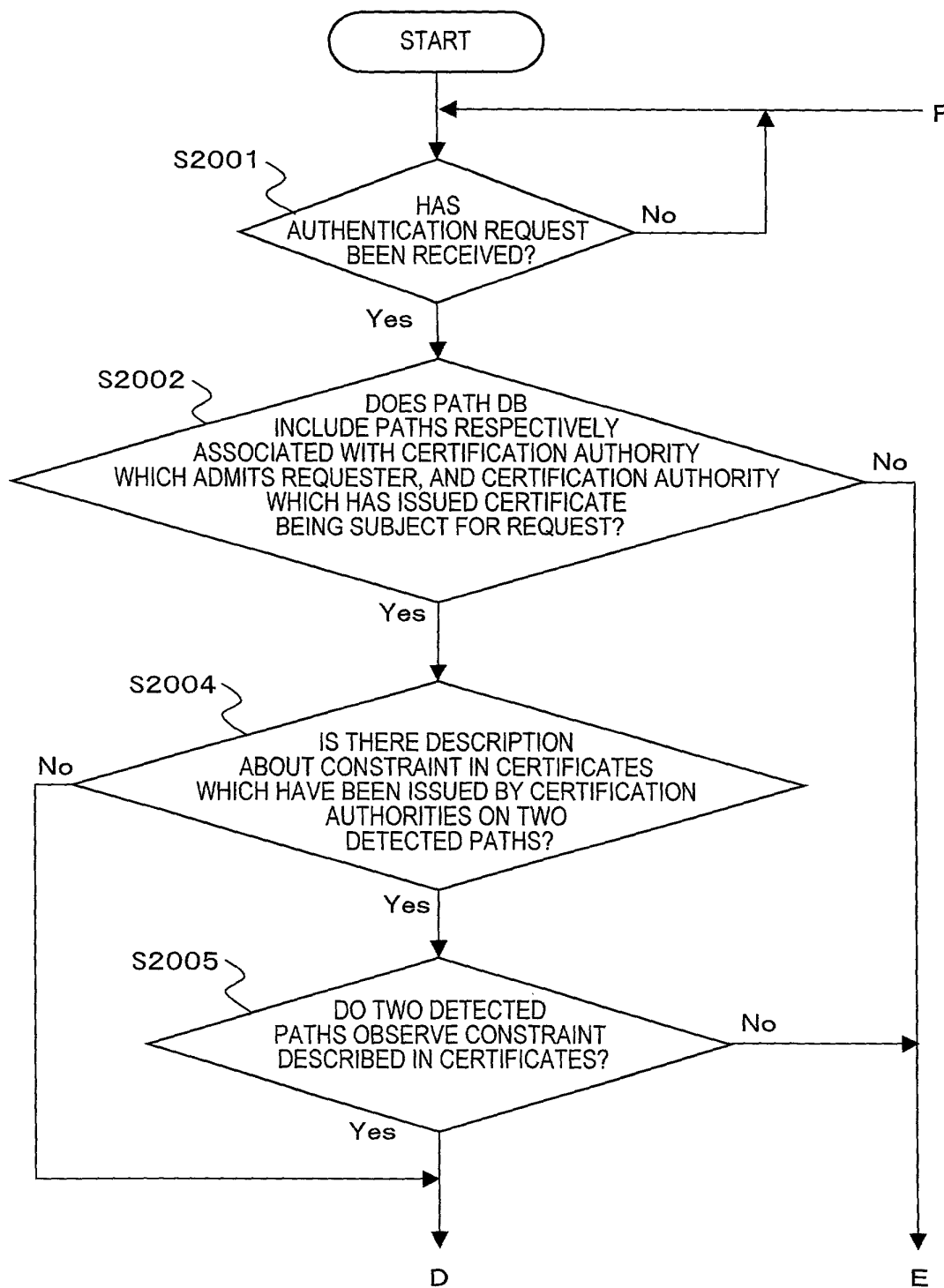


FIG.11

OPERATION OF AUTHENTICATING VALIDITY OF PUBLIC KEY CERTIFICATE

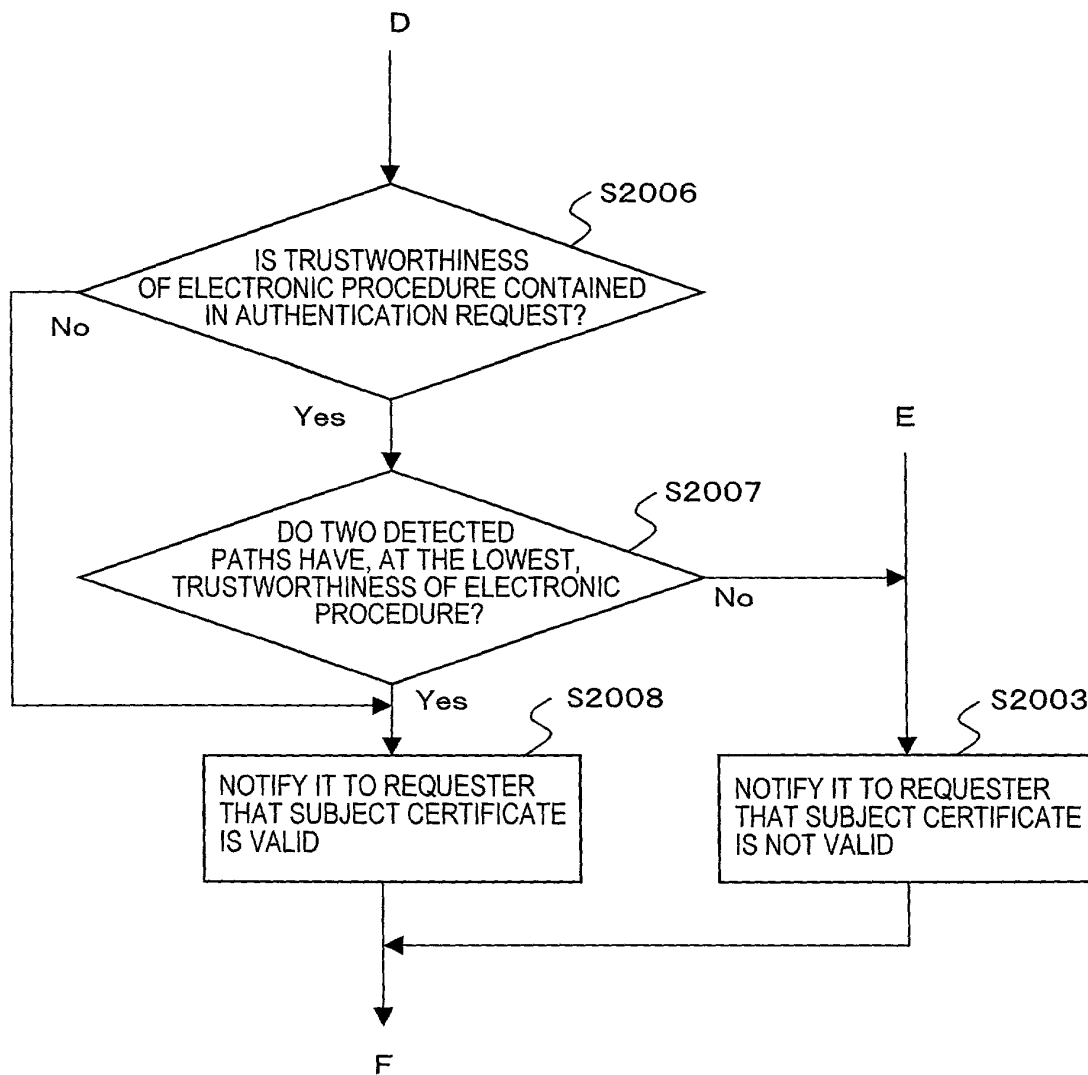
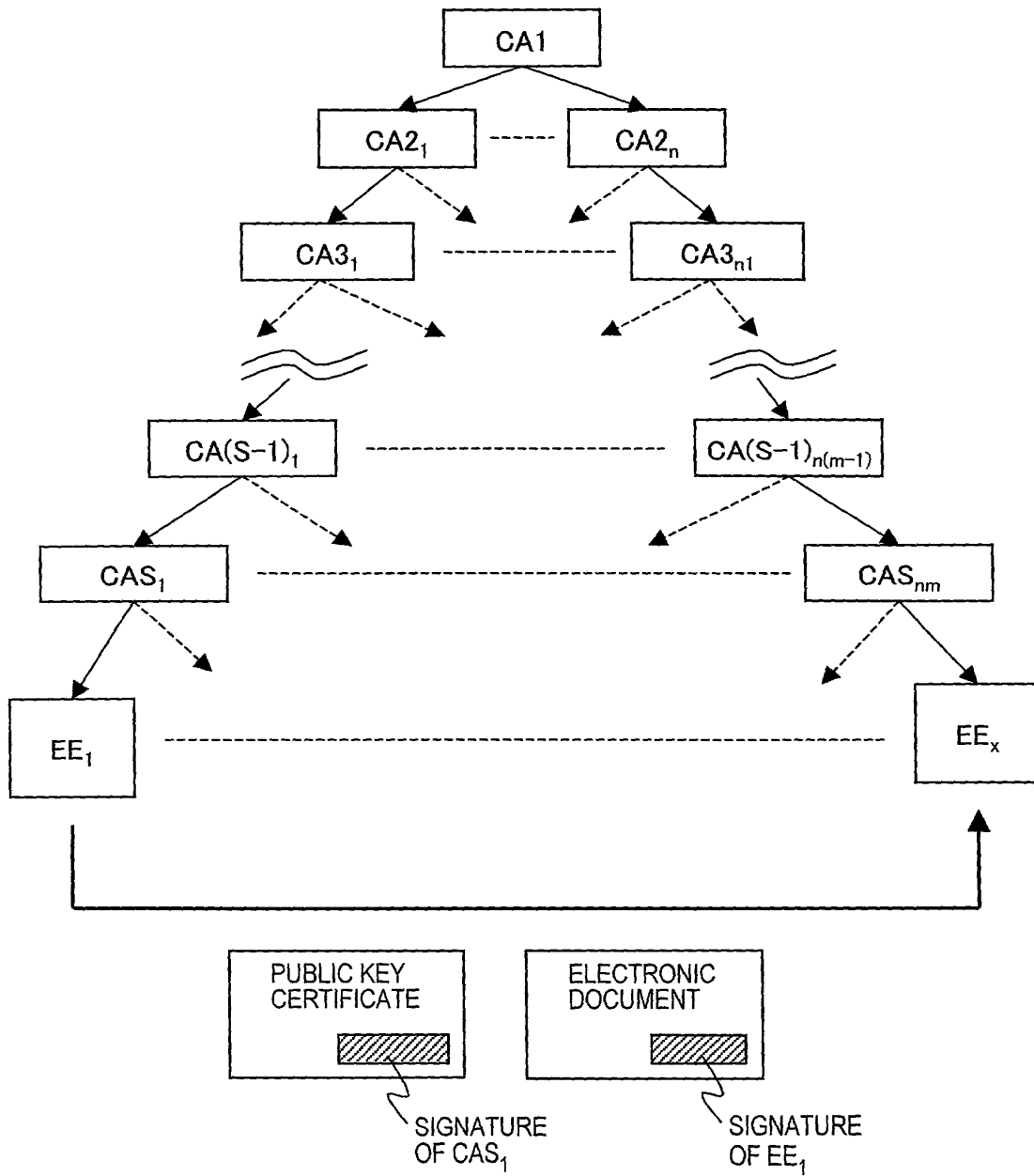


FIG.12



CA : CERTIFICATION AUTHORITY

EE : END ENTITY

—▶ : FLOW OF PUBLIC KEY CERTIFICATE